

WILDFIRE ORIGIN AND CAUSE REPORT

G70091 (16)

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	GENERAL FIRE INFORMATION														
Fire Date (YYYY-MM-DD) 2016-04-20				i dent Num 0091	ber			Fire Centre / Fire Zone Prince George / G7 – Dawson Creek							
Geographic Location GROUNDBIRCH BC															
Legal Description of Area of PID-010068279 FRAC NE 1/4	Legal Description of Area of Ignition PID-010068279 FRAC NE ¼ SEC22 TP78 R 20 W6M PEACE RIVER EXC FIRSTLY PT HWY PL H309 SECONDLY PT SRW PLA2144 THIRDLY PT SUBDIVIDED BY PL BCP14416														
Latitude [e.g.: 50 47.201] 55 46.653		Longitude	e[e.g.: 119 33.3	301]	Appro 21:26	ox. Fire Ign	ition Ti	me (24 hr))	Fire F 21:26	Report Time	(24 hr)	hr) Fire Attack Time (24 h		e (24 hr)
I/C Responding Darren VANHORNE – 4P73			121 00:131	Aspect /	Elevatio			Date	(YYYY-			Т	ime (24 hr)		
Darrell VANHORNE - 4P/3				Lastrii		NER / OC	CUPA	ANT							
Tenure Holder / Owner/ Oc	cupant														
l I						s.22	<u>'</u>				ı		1		
Name / Contact					Contact	t Office #					Contact	Cell #			
Address and e-mail															
				ORIGII	N AND	CAUSE	REPO								
O&C Report Completed na	ime(s)		Fire I	nvestigato	r Certific	cation		Assigr (YYYY			Time (24	hr)		ork Completion YYYY-MM-DD)	
Fredric John WAHLSTROM			Type I		Тур	e II 🗌		2016	-05-03		0730			2016-05-03	
			Other Certif	_		ain: Under									
REPRESENTATIVE WEATHER STATION															
Weather Station Name	CHE	TWYND		1				Weathe	er Station Elevation / Aspect		t .	731 / 253.0			
Precipitation (24 hr)	0.0	Tempe	rature (C°)	12.0	Relativ	e Humidity	%	32	Wind Speed km/ph		d km/ph	22	Wind Dire	ction (deg.)	70
Fine Fuel Moisture Code		92.1		Duff Moi	sture Co	ode	38		Drought Code		le	129			
Initial Spread Index	17.8		Build Up Ind	lex	44 Fi		Fire V	ire Weather Index 31.1		Dang	ger Class	4			
Description of Weather at	Time of	Ignition	No rain, no	o wind (Sou	rce: Initia	al Phone Re	port ID	119215)							
_					40	ISITE WE	ATH	ER							
Precipitation (mm)		Temperat	ure (C°)		Relative	Humidity	%		Wind	Speed	(km\ph)		Wind Dir	ection(deg.)	
Comments: On site v	weather	was not tak	en on the day	of this inv	estigatio	on.	'				,		-		
Information obtained from	source:														
						WITNES	SES								
Surname			Given N	ame(s)		Stateme Taken (Y			Mailin	g Addr	ess / e-mail	addres	s	Contact	Number
- 45 - 20				Υ	,										
s.15,s.22			Υ								s.15,	s.22			
Other Agencies Involved					Stateme Taken (Y				,	Address			Contact	Number	
	RCMP	Constable RO	SE							C	HETWYND			File Numbe	r 2016-640
Natural Resource Officer Mike BOYDE									Fo	rt St James			250-99	6-5208	

WILDFIRE ORIGIN AND CAUSE REPORT

		FIRE CAUSE ELIMINATION AND EXPLANATION
	LIGHTNING	
Natural	EXCLUDED	Lightning has been excluded as being a competent ignition source for fire G70091 based upon the following information: 1. A query of the most recent lightning strike records between 1 April and 20 May identified the most recent strike
		happened on 13 April 2016 located 30.8km from the ignition area A1. (TAB 3)
	CAMPFIRE	
	EXCLUDED	Campfires, (TAB 2) have been excluded as being a competent ignition source for fire G70091 based upon the following observations: 1. Despite the possibility of the landowner having had a campfire on the date of the fire start, fire direction indicators and observations made within ignition area A1 do not support a campfire as being the source of the fire that
	CATEGORY 2	burned into the field on the property, north of the driveway. (TAB 16) 3, or RESOURCE MANAGEMENT OPEN FIRE
	CATEGORT 2,	5, 01 RESOURCE MANAGEMENT OF EN FIRE
Open Burning		Category 2, 3, open fire; (TAB 2) has been excluded as being a competent ignition source for fire G70091 based upon the following observations and information:
Open B	EXCLUDED	 Incident Commander (IC) Darren VANHORNE suggested the fire may have been a non-compliance OFTS burn and reported escape from a windrow within burn registration number R11-G0441, (TAB 25) as there was an open fire prohibition order in effect on the day of the fire. (TAB 29) Investigation revealed there was no windrow burning at the location of the reported fire. During a discussion with Natural Resource Officer (NRO) BOYD, confirmed with residen s.22 the location of the windrow burning was in the "back field" and not at the location of fire G70091. (TAB 13).
		 While conducting the inspection a number of suspicious items were observed that appeared to be competent ignition sources causing small spot fires within the field and forest near the residence. (TABS 18 to 22)
		 Fire spread indicators from within ignition area A1 (TAB 16) show the fire was not a planned stubble or grass burning activity as defined within the Wildfire Regulation. (TAB 2)
	ARSON / SUSI	PICIOUS (Include RCMP or other Agency File No.)
		Arson or suspicious causes have been included as being a competent ignition source for fire G70091 based upon the following observations and information:
		1. Fire G70091 was confined to the private property with a suspicious item found within the Ignition Area. (TAB 16)
liary		 In addition to the suspicious item within ignition area A1, four other suspicious items where located on the property within the field and forest on the property which appeared to be competent ignition sources. These items were photographed and then collected as by NRO's MATTIE and JACOBS. (TABS 18 to 22 and TAB 27)
Incendiary	INCLUDED	3. A mobile home was burned at the time of fire G70091 located approximately 39 metres south and west of ignition area A1. (TAB 7)
		4. There were no fire burn indicators observed connecting a ground fire from fire G70091 to the residence.
		5. Wind direction at the time of the fire was south westerly which would have blown embers away from the residence. (TAB 14)
		6. As the fire appeared to be suspicious in nature, residen \$.22 filed a complaint with the CHETWYND (RCMP Constable ROSE - File # 2016-640).

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	JUVENILE FIR	E SETTER / FIRE USE
ary		Juvenile fire setters have been excluded as being a competent ignition source for fire G70091 based upon the following observations and information:
Incendiary	EXCLUDED	1. More than one fire was set.
_ <u>F</u>		2. The residence and field were set on fire.
		The resident's vehicle was vandalized during the same event.
	EQUIPMENT U	SE (Explain)
		Equipment; (TAB 2) has been excluded as being a competent ignition source for fire G70091 based upon the following observations:
-ea	EXCLUDED	No track or tire impressions or other signs of heavy equipment use were observed within or near the ignition area. (TAB 16)
Mechanical		2. A competent ignition source which was not related to equipment use was found within the ignition area. (TAB 18)
Me	RAILROADS (E	Explain)
		Railroads have been excluded as being a competent ignition source for fire G70091 based upon the following information:
	EXCLUDED	The nearest railway is approximately 294 metres from the ignition area (TAB 5) well beyond the maximum flight distance for welding particles (4 metres), grinding particles (12 metres) and railway carbon (13 metres) to be considered a competent ignition source. (TAB 1)
	VEHICLE	
		Vehicles have been excluded as being a competent ignition source for fire G70091 based upon the following observations and information
	EXCLUDED	Initial Phone Report ID#119215 (TAB 24) indicated a vehicle had pulled out of the area at the time of the report, and that the fire was believed to be approximately 20 acres in size.
Mechanical		A suspected competent ignition source not related to vehicle use was found at the gate which provides access to the field. (TAB 18)
Mec		TRANSMISSION / UTILITY LINE / POLE
	EXCLUDED	Electrical transmission / utility lines have been excluded as being a competent ignition source for fire G70091 based upon the following observations:
		Although there were many questionable wiring connections on more than one hydro pole and in several locations on the property, none showed signs of electrical shorting and or burning connected to the ignition area.
		2. The nearest high voltage transmission line is approximately 2 kilometres from the specific origin area. (TAB 6)
	DISCARDED N	ATCH OR SMOKING SUBSTANCE
		Discarded match or smoking substances have been excluded as being a competent ignition source for fire G70091 based upon the following observations and information:
Smoking	EXCLUDED	 For a cigarette to be a competent ignition source in igniting forest fuels the minimum threshold values must be present: TEMPERATURE – 26°C, RELATIVE HUMIDITY 22% and a FINE FUEL MOISTURE CODE (FFMC) of 87 (TAB 1)
		2. The temperature and relative humidity did not meet the ignition probability threshold on the day of the fire as the TEMPERATURE was 12° C, the RELATIVE HUMIDITY was 32 and the FFMC was 92.1 (TAB 28)
		3. No discarded matches or smoking substances were found within the ignition area (TAB 16)

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	SPECIFY CAUSE							
Miscellaneous	Within ignition area A1:							
	 Refracted sunlight was excluded as no glass, liquid filled plastic bottles, or mirrors that could intensify the sun's rays were found within or near the ignition area. 							
	2. Blasting was excluded as no blasting materials were found within or near the ignition area.							
	3. Ignition by bullets was excluded as no ammunition or shell casings were found within or near the ignition area.							
	EXCLUDED	4. Small engines were excluded as no motorcycle or ATV tracks were observed within or near the ignition area.						
			5. Oil and gas industry flare stacks were ruled out as there are none within or near the ignition area.					
		 Spontaneous combustion was excluded as there were no oily rags, piled organic materials or sawdust piles that could cause an internal chemical or biological reaction producing enough heat to cause ignition observed within the ignition area. 						
		(TAB 16)						

CAUSE DERTERMINED (Explain)

A suspicious item provided the competent ignition source within the ignition area. The resulting fire advanced in a north easterly direction into the field adjacent driveway. (TAB 17)

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WILDFIRE ORIGIN AND CAUSE REPORT

Photos taken	Site Map/Sketches	Evidence Collected	NFORMATION
MY N	MY N	MY N	
		SUMMARY OF FINE	DINGS
IGNITION AREA DESCRIPTION	ı	301111171111111111111111111111111111111	
More than one ignition area was ignition area was dry grass and w	observed on the private prop vood. (TAB 16)	perty. Ignition area A1 was loc	tated next to a gate that accesses a field north of the driveway. Within the
IGNITING OBJECT (if known)			
The suspicious igniting object (fir Resource Officers (NRO) MATTI	eworks or sparkler type in ap E and JACOBS. (TAB 3)	opearance) was photographed	d within the ignition area and then collected as evidence by Natural
FORM OF HEAT OF IGNITION			
Radiation			
MATERIAL FIRST IGNITED			
Grass.			
DETERMINED CALICE			
DETERMINED CAUSE			
Dropping, releasing or mishandli	ng a burning substance.		
REFERENCE PHOTOS			
(DSC_0003, DSC_0007, DSC_0	008 DSC 0024 DSC 0028	DSC 0033 and DSC 0036)	
(236_0005, 236_0007, 236_0	000, 000_0024, 000_0020	, 55c_0052 and 55c_0050)	



WILDFIRE ORIGIN AND CAUSE REPORT

FIRE ORIGIN AND CAUSE INFORMATION								
CON	ICLUSION			СОМ	PLETE APP	ICABLE	BOXES	
				Suspecte	d		Confirmed	
Based on the field examination, evidence g offer the following comments:	athered and a complete review of t	he facts, I	Y	N	N/A	Ϋ́	N	N/A
On Tuesday 3 May 2016, fire origin and cause investigators ORME and WAHLSTROM arrived on fire G70091, within PID-010068279 FRAC NE ¼ SEC22 TP78 R 20 W6M PEACE RIVER EXC FIRSTLY PT HWY PL H309 SECONDLY PT SRW PLA2144 THIRDLY PT SUBDIVIDED BY PL BCP14416. (TAB 8)								
	While walking within the overall fire area in order to establish the location of the general origin area in relation to reported windrow burning and minor escape, fire direction indicators observed by ORME and WAHLSTROM confirmed the fire had advanced from south of the field along the driveway. (TAB 14)							
During the initial walk through, five suspicion particular was located at a gate that provide			n sources	s were obse	erved within	the gen	eral fire area	a. One in
	Considering the item at the gate appeared to be responsible for the fire that burned into the field and because the item appeared to have been dropped at that location WAHLSTROM contacted Natural Resource Officer supervisor Arron GERVEIS in DAWSON Creek and requested the items be collected as evidence on behalf of the RCMP file.							
While waiting at the site until NRO investig each of the items and confirmed the fire ha						tablishe	d fire direction	on for
	The cause is a suspicious item with a fireworks or sparkler type appearance that had been mishandled. This item was collected by Natural Resource Officers Bernie MATTIE and Tamara JACOBS as evidence along with four other suspicious items.							
Completed by (Print name)	Title	Signature (Har	ndwritten	or Electron	ic Only)	Date (YYYY-MM-DI	D)
John WAHLSTROM	Fire Origin and Cause Specialist							

This report may contain both personal and sensitive information and must be securely stored at all times, and may only be disclosed in accordance with the <u>Freedom of Information and Protection of Privacy Act</u>.

IGNITION TEMPERATURES AND HORIZONTAL FLIGHT DISTANCES

IGARETTE IGNITION PROBABILITY

	THESHOLD VALUES							
TEMP ∘C	RH %	FFMC	%FM					
16	31	79	22					
17	30	80	21					
18	29	81	20					
19	28	82	19					
20	27	83	18					
21	26	84	17					
22	25	85 1	, 16					
23	24	86	15					
24	23	87	14					
25	22	88	13					
26	21	89	12					
27	20	₩ 90	11					
28	19	91	10					
29	18	92	9					
30	17	93	8					
31	16	94	7					
32	15	95	6					
33	14	96	_ 5					
34	13	97	4					
35	12	98	3					
36	11	99	2					
37	10	100	1					
38	9							
39	8							
40+	7							

Values on-site at the time of ignition. Wind speed will also improve ignition probability

As the Temperature increases beyond 26.7°C, RH falls below 22% and FFMC values climb above 91 the probability of ignition from a cigarette increases. Ignitions *may* occur when the RH is <10% and with a temperature between 25-26°C

HOIZONTAL DISTANCES (m) FROM ROAD EDGE, RAIL TRACK CENTRE LINE OR INDUSTRIAL ACTIVITY

, , , , , , , , , , , , , , , , , , , ,								
Cig. Butt	Welding Particles	Grinding Particles	Catalytic Convert.	Railway Carbon	Vehicle Carbon			
25	25	25	25	25	25			
24	24	24	24	24	24			
23	23	23	23	23	23			
22	22	22	22	22	22			
21	21	21	21	21	21			
20	20	20	20	20	20			
19	19	19	19	19	19			
18	18	18	18	18	18			
17	17	17	17	17	17			
16	16	16	16	16	16			
15	15	15	15	15	15			
14	14	14	14	14	14			
13	13	13	13	13	13			
12	12	12	12	12	12			
11	11	11	11	11	11			
10	10	10	10	10	10			
9	9	9	9	9	9			
8	8	8	8	8	8			
7	7	7	7	7	7			
6	6	6	6	6	6			
5	₹ 5	5	5	5	5			
4	4	4	4	4	4			
3	3	3	3	3	3			
2	2	2	2	2	2			
1	1	1	1	1	1			

Wind speed and direction will influence the horizontal flight distance and placing.

As the Fire Origin & Cause Investigator searches closer to the area of ignition, the probability of locating items within the distances listed in the above chart, increase. Wildfire Origin & Cause Investigators need to ensure Grid Search Areas are sufficient in size based on a particular ignition source.

Weather Information (observations of Temperature, Relative Humidity, Precipitation, Wind Speed and Direction, including Forest Fuel Classification (Fire Behaviour Prediction System)) will assist Fire Behaviour Specialists in determining the probability of ignition for the specific area of ignition. As well be used to correlate on-site weather observations to those of the most representative weather station.

TIME REQUIRED TO IGNITE WOOD SPECIMENS								
Wood = 32mm x 32mm x		Exposure Before Ignition, by Pilot Flame, Minutes						
104mm (1.25" x 1.25" x 4")	180∘C	200∘C	225∘C	250∘C	300∘C	350∘C	400∘C	
Long Leaf Pine	14.3	11.8	8.7	6.0	2.3	1.4	0.5	
Red Oak	20.0	13.3	8.1	4.7	1.6	1.2	0.5	
Tamarak	29.9	14.5	9.0	6.0	2.3	0.8	0.5	
Western Larch	30.8	25.0	17.0	9.5	3.5	1.5	0.5	
Noble Fir			15.8	9.3	2.3	1.2	0.3	
Eastern Hemlock		13.3	7.2	4.0	2.2	1.2	0.3	
Redwood (Cedar)	28.5	18.5	10.4	6.0	1.9	0.8	0.3	
Sitka Spruce	40.0	19.6	8.3	5.3	2.1	1.0	0.3	
Basswood	-	14.5	9.6	6.0	1.6	1.2	0.3	

Source: NFPA Fire Protection Handbook, 18th. Edition, 1997, p. 4-29

IGNITION TEMPERATURES

IGNITION OF FOREST FUELS FROM KNOWN COMPETENT IGNITION SOURCES

Temp∘C	Competent Ignition Source							
100								
150	Paper can ignite at temperatures lower than those of Forest Fuels +/-							
200	180∘C							
250	Forest fuels can ignite at a minimum temperature of 232°C with an							
300	Forest fuels can ignite at a minimum temperature of 232°C with an average ignition temperature of 300-400°C. The Red Book is based on							
350	an average of 300°C. Lead melts at 327°C							
400	•							
450 500	Friction +/- 480°C							
550	Gas turbo Charged Engine Exhaust 370-590°C							
600	Candle Flame min. 600°C to 1400°C							
650	Cigarette external Temp. +/- 649°C							
700	Charcoal Briguette, molten Aluminum 660°C							
750	Catalytic Converter min. 750°C to +1540°C, hot engine manifolds,							
800	operating catalytic convertor are in the 700°C range, Engine Exhaust							
850	Carbon 870°C, Rifle bullet fragments +/-800°C,							
900	,							
950								
1000	Sparkler Min. 1000°C to 1600°C							
1050	For the Followshill Admirated Townshill Admirated Common 1040 1005 C Con /Oil							
1100	Engine Exhaust Manifold Temp., Molten Copper 1040-1085°C, Gas /Oil Flaring (Flare Stack)							
1150	Flatting (Flate Stack)							
1200	1200°C is 4 times hotter than required to ignite Forest Fuels							
1250	1200°C is 4 times notter than required to ignite Forest Fuels							
1300								
1350	Electrical Spark							
1400	Bullet Fragment, Safety Flares, Paper match min. 600°C to 1400°C,							
1450	Mechanically generated Steel Spark 1400-1540°C							
1500								
1550	Catalytic Conventor (1540-C Circusto (Buffine) 1530 1670-C							
1600	Catalytic Converter +1540°C, Cigarette (Puffing) 1520-1670°C							
1650+								

Information sources: NFPA921 Guide for Fire and Explosion Investigations (1998 and 2015 editions), FI-210 Wildfire Origin & Cause Determination Training 2015 version (section 6), T.C. Forensic Article 10 - Physical Constants for Investigators. Ignition of forest fuels will be dependent on atmospheric and fuel moisture condition at the time a competent ignition source comes in contact with the fuel i.e. sufficient Energy (temp and duration of temp) and of sufficient Time contacting the host fuel.

Definitions

- **1** (1) In this regulation:
 - "campfire" means an open fire that meets both of the following requirements:
 - (a) the open fire burns material in one pile no larger than 0.5 m in height and 0.5 m in width;
 - (b) the open fire is lit, fuelled or used
 - (i) by any person for a recreational purpose, or
 - (ii) by a first nation for a ceremonial purpose;
 - "category 2 open fire" means an open fire, other than a campfire, that
 - (a) burns material in one pile not exceeding 2 m in height and 3 m in width,
 - (b) burns material concurrently in 2 piles each not exceeding 2 m in height and 3 m in width, or
 - (c) burns stubble or grass over an area that does not exceed 0.2 ha;

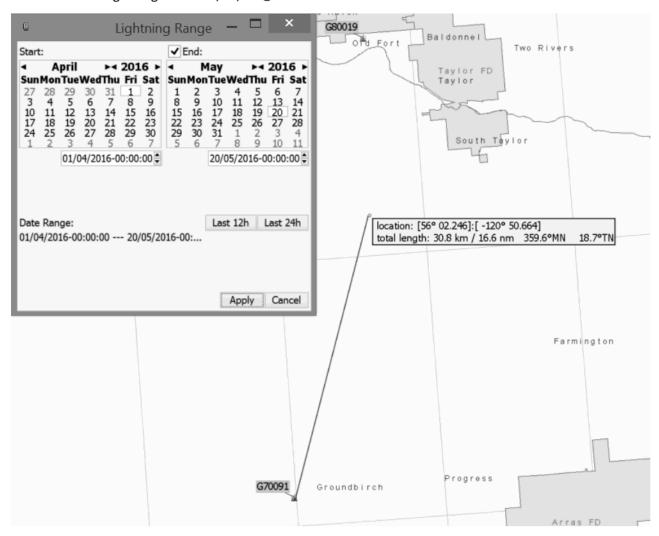
"category 3 open fire" means an open fire that burns

- (a) material concurrently in 3 or more piles each not exceeding 2 m in height and 3 m in width,
- (b) material in one or more piles each exceeding 2 m in height or 3 m in width,
- (c) one or more windrows, or
- (d) stubble or grass over an area exceeding 0.2 ha;

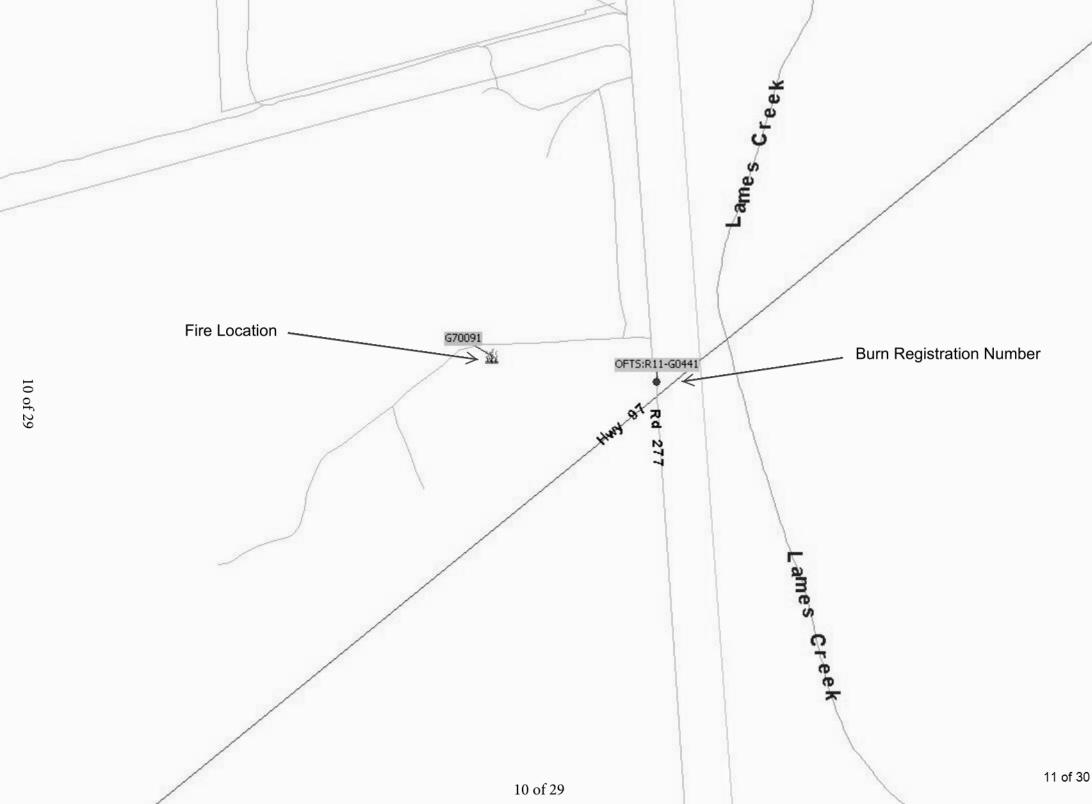
[&]quot;heavy equipment" means crawler tractors, skidders, excavators or other suitable mechanized fire fighting equipment;

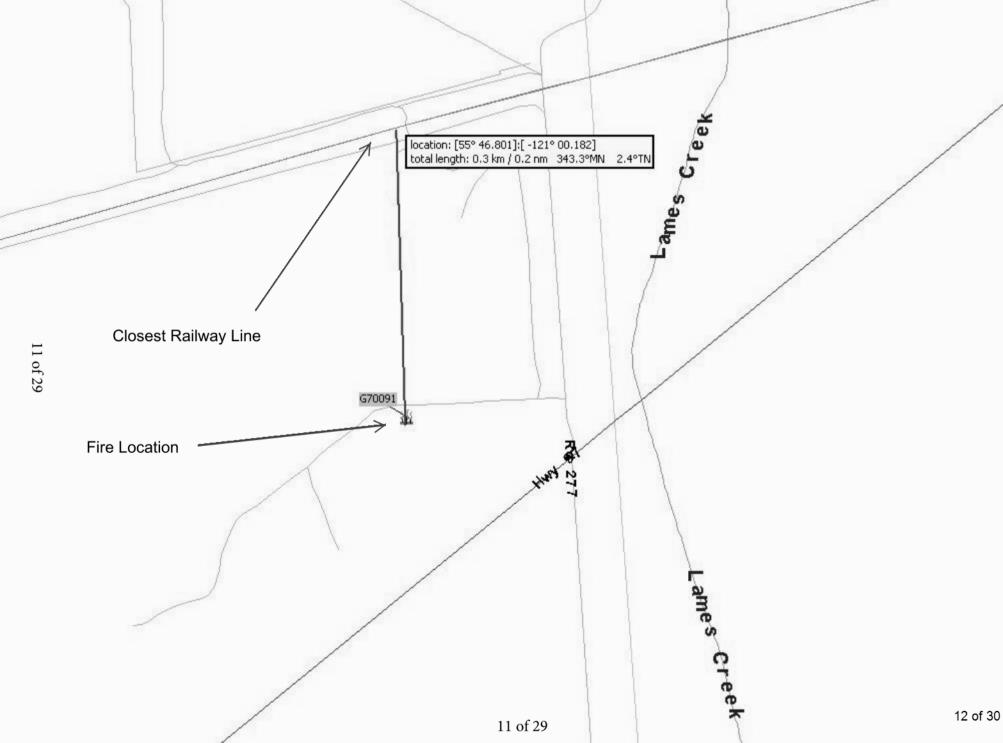
Lightning Strike Map G70091

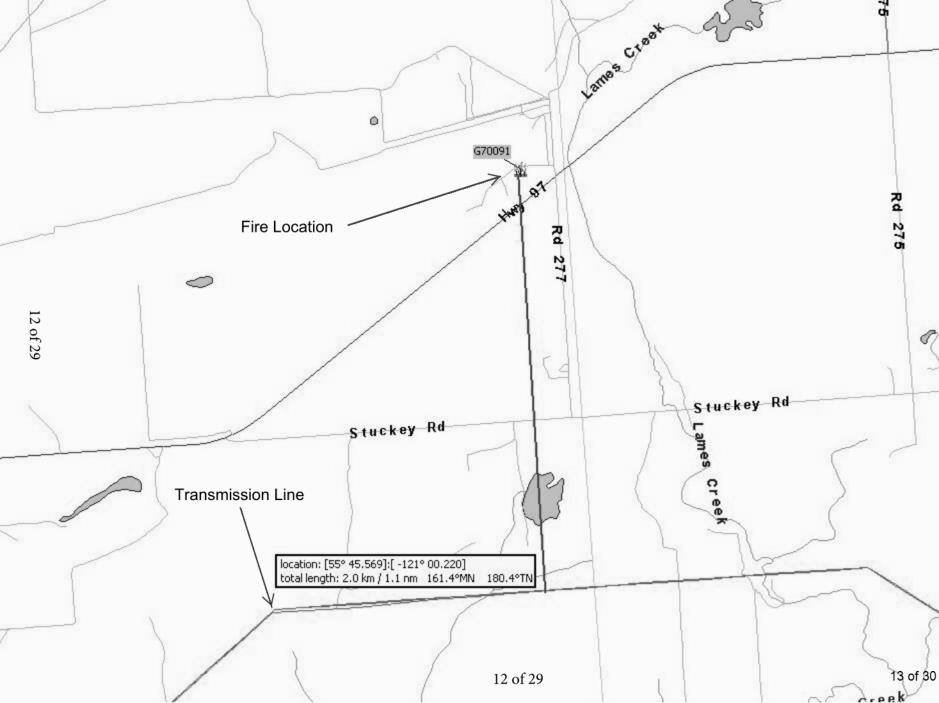
Dates pulled: April 1 0000 – April 20 0000 Date of lightning strike: 04/12/16 @16:09:21



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Withheld pursuant to/removed as

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Operations BC Wildfire Service

Google Earth Image 1: Location of reported windrow burning

Google Earth Image 2: A1 = Ignition Area

Copyright

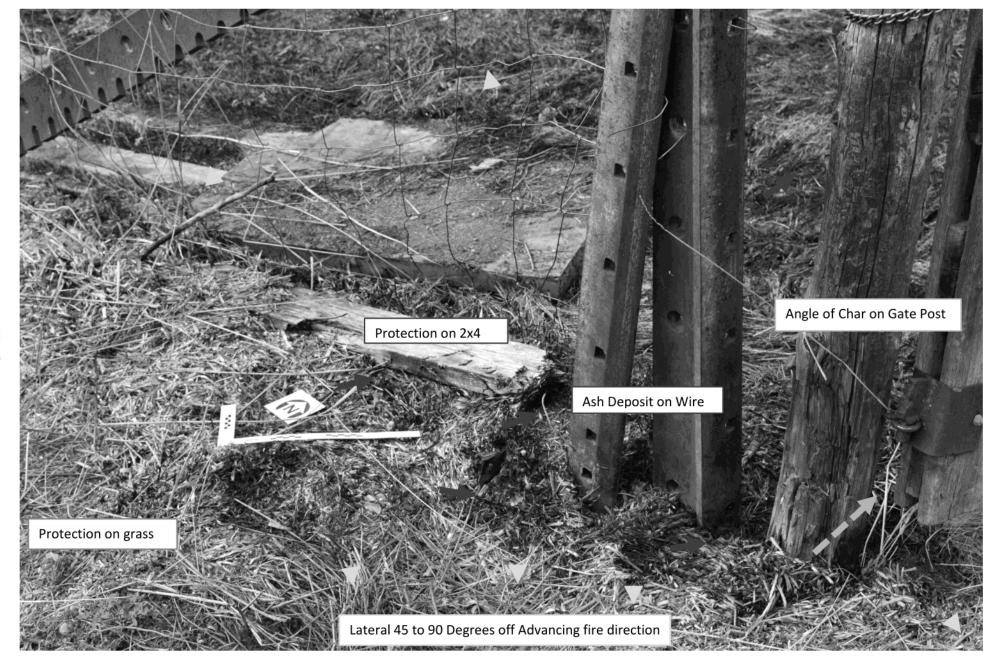


Photo 1: DSC_0007 – General direction of Advancing fire from suspicious item at +/- 40 Degrees



Advancing Fire at +/- 40 Degrees

Photo 2: DSC_0008 – Suspicious item within ignition area



Photo 3: DSC_0003 Unknown item collected by NRO's as evidence. E1



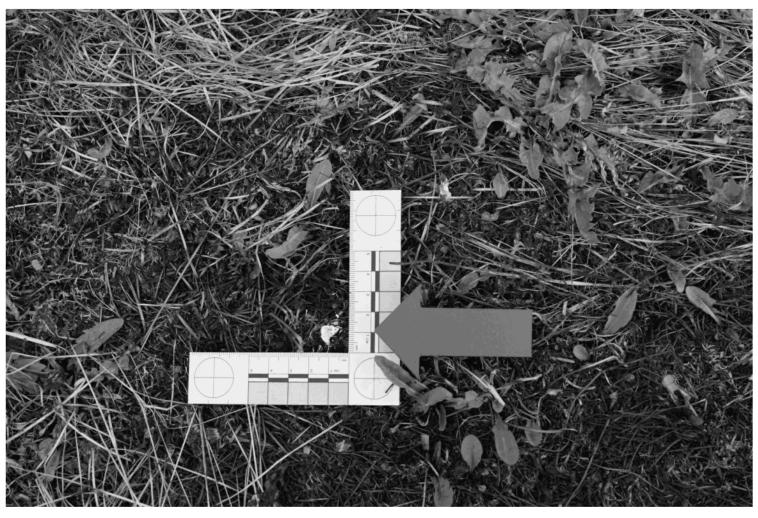


Photo 4: DSC_0024 Unknown material collected by NRO's as evidence. E2

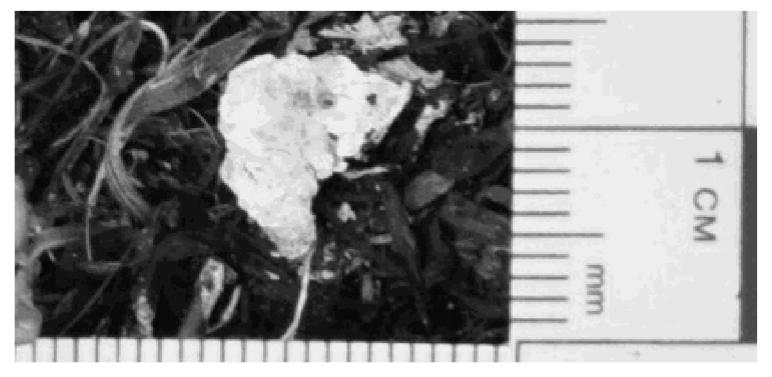


Photo 4: DSC_0024

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Photo 5: DSC_0028 Unknown material collected by NRO's as evidence. E3



Photo 5: DSC_0028

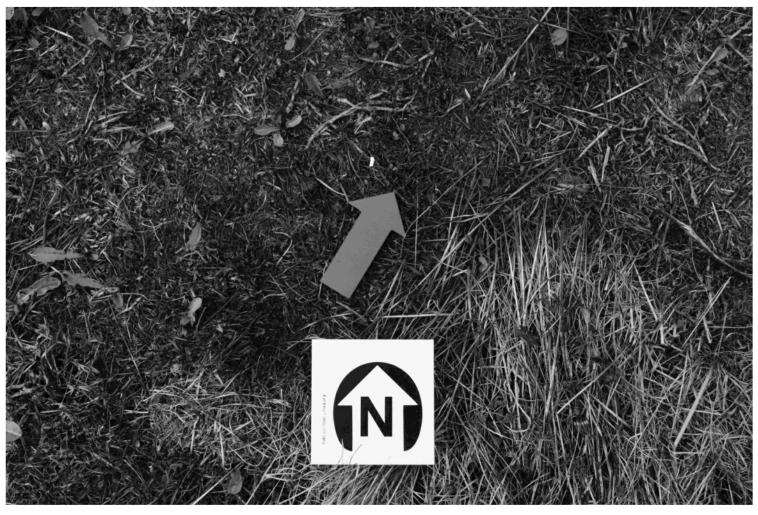


Photo 6: DSC_0032 Unknown material collected by NRO's as evidence. E4



Photo 6: DSC_0032



Photo 7: DSC_0036 Unknown material collected by NRO's as evidence. E5





Wildfire Management BC Forest Service

Activity Log

Time Range: 2016-04-20 00:00 to 2016-05-02 23:59

Incident: G70091 First Crew Dispatched 2016-04-20 21:36 Nifac 71

North of Groundbirch Store First Crew On Scene 2016-04-20 22:27 Nifac 71

Latitude 55 46.653 N **Longitude** 121 00.191 W

Report time 2016-04-20 21:26

Tieport time			
Date		Status	Message
2016-04-20 21:26	ER	IPR# 119215	**possible interface** large fire, possibly on private property dawson creek halfway between chetwynd and dawson creek open flames and smoke ground birch - near post office and gas station - 3 km west of groundbirch store on north side of hwy flames burning up trees, looks like on property vehicle pulled out thought could see skeleton of barn building believed this was on a private property but could not see well as dark out size =20 acres estimated rd 269 just east of there right on the hwy weather: no rain, no wind s.15,s.22
Applies to: 20	16-G	70091	
2016-04-20 21:36	AD	RETURNING	I/I: back at base but turning around to go to g70091, eta 1 hr will call on arrival
Applies to: Nife	ac 71	, Nifac 71A, Nifac 7	2A, Nifac 72C
2016-04-20 21:36	AD	ASSIGNED	Assigned to activity
Applies to: Nife	ac 71	, Nifac 71A, Nifac 7	
2016-04-20 21:36	AD	EN ROUTE	Changed status from RETURNING to EN ROUTE - Next check-in: [04/20] 23:00
Applies to: Nif	ac 71	, Nifac 71A, Nifac 7	2A, Nifac 72C
2016-04-20 22:27	AD	EN ROUTE	I/I: just arrived at fire 91, will call back soon with more details
Applies to: Nife	ac 71	, Nifac 71A, Nifac 7	·
2016-04-20 22:27	AD	ON SCENE	Changed status from EN ROUTE to ON SCENE - Next check-in: [04/20] 23:30
Applies to: Nif	ac 71	, Nifac 71A, Nifac 7	2A, Nifac 72C
2016-04-20 22:41	CS	ON SCENE	71A L/L started as structure fire// extremely hectic plan of action is spark chase to keep from spreading// gas station 5 km to east// calling darren to update as well
Applies to: Nife	ac 71	, Nifac 71A, Nifac 72	2A, Nifac 72C
2016-04-20 22:41	CS	ON SCENE	Next check-in: [04/21] 00:00
Applies to: Nif	ac 71	, Nifac 71A, Nifac 7	2A, Nifac 72C
2016-04-20 22:42	CS	ON SCENE	addition: no coords at this time, will be calling back with them, very hectic, have not gotten a chance
Applies to: Nife	ac 71	, Nifac 71A, Nifac 7	2A, Nifac 72C

IDIR\SWELKE Report created 2016-05-02 11:57



INITIAL WILDFIRE CAUSE ASSESSMENT FORM

This form to be completed **by the RWCO** within 24 hours if practicable depending on resource capacity of fire discovery as per Ministry Policy 9.6 and <u>Standard Operating Procedure</u>.

REQUIREMENTS FOR FORM COMPLETION: If there is no Fire Origin and Cause recommended, then this form MUST have the rationale completed, signed off and filed electronically in the **Incident drive file folder**. If there is a Fire Origin and Cause recommended, then this form MAY be used as supporting documentation (e.g. to person carrying out the FOC **AND** electronically filed in the **Incident drive file folder**).

Wildfire Origin and Cau	ise Repo	rt Required?		YES 🖂	№ П			
		•						
Incident Commander	Darren	Van Horn 4P73	2016-	16-04-24				
Contact information	250.79	8-6946	Form	Form Completed Time: 1430				
Contact information	250-78	8-0940	Form	Completed Time	e: 1430			
INITIAL INCIDENT INFORM	IATION:	Tick all boxes that apply and provide details in Remark	s):					
Crown land?		Remarks: non compliance ofts burning. spot size fire,	only d	amage to own p	ersonal			
Crown asset?		property						
Private property?								
3 rd Party property?								
Structures involved?								
Known Area of Interest								
Identifiable Responsible								
Party?								
Other (specify)?								
Other agencies involved?								
Recommend another age	ncy							
Be involved (RCMP? COS?	?) 🗍 🔲							
Origin and Cause Report N	IOT requ	ired - Provide rationale and the cause of the fire here:						
1								
Sianature can he tuned — l	nandwri	ten signature not necessary if completing electronically	,)		_			
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Signature can be typed – I	nandwri	ten signature not necessary if completing electronically	<i>'</i>)					
Signature can be typed – I	nandwri			ter a date				
Signature can be typed – I		Click here		ter a date. Date Signed				

SPO-FM Reviewed:

Date Reviewed

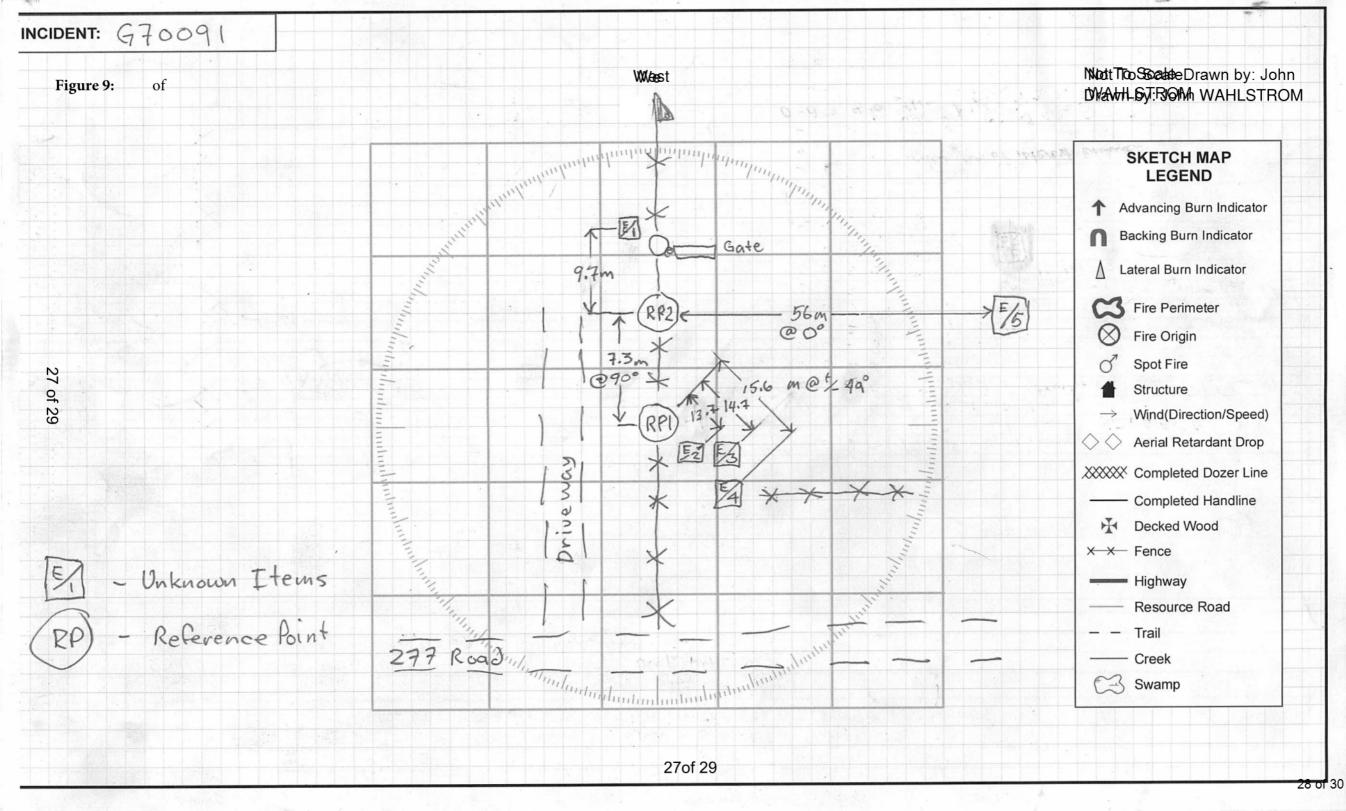


Figure 10:



Fire Weather System

Guide to abbreviations

Bounded Days for CHETWYND (EC) From 2016/04/05 to 2016/04/20

View Ancillary Data

Date	Status	Temp.	RH	Wind Dir.	Wind Sp.	Precip.	Grass Cure	FFMC	DMC	DC	ISI	BU	FWI	Dgr. Cl.
2016/04/05	start	7.0	65	240	19	0.0	100	85.0	5	80	*		* *	*
2016/04/06	act	9.0	34	250	26	0.0	100	87.6	7	83	11.2	11	11.6	2
2016/04/07	act	16.0	34	200	22	0.0	100	89.3	9	86	11.9	15	13.9	2
2016/04/08	act	19.0	26	230	45	0.0	100	91.6	13	91	47.8	19	41.3	3
2016/04/09	act	6.0	70	100	6	0.0	100	86.6	13	93	3.5	20	5.6	2
2016/04/10	act	10.0	46	150	7	0.0	100	86.6	15	96	3.8	21	6.5	2
2016/04/11	act	15.0	33	210	22	0.0	100	89.1	18	99	11.5	24	17.2	3
2016/04/12	act	7.0	87	280	6	0.0	100	82.8	18	101	2.1	25	3.8	2
2016/04/13	act	10.0	40	250	24	0.0	100	86.2	19	104	8.5	26	14.2	3
2016/04/14	act	7.0	49	100	13	0.0	100	86.3	20	106	4.8	28	9.2	3
2016/04/15	act	12.0	35	230	19	0.0	100	88.2	22	110	8.4	30	15.0	3
2016/04/16	act	13.0	35	210	15	0.0	100	88.8	25	113	7.6	32	14.4	3
2016/04/17	act	17.0	39	230	7	0.0	100	88.9	27	117	5.3	35	11.3	3
2016/04/18	act	26.0	17	180	19	0.0	100	94.5	33	122	20.7	39	32.6	4
2016/04/19	act	15.0	14	240	17	0.0	100	94.6	36	126	18.9	42	31.7	4
2016/04/20	act	12.0	32	70	22	0.0	100	92.1	38	129	17.8	44	31.1	4

Total of 16 records.

Done

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Order: Prince George Fire Centre 2016: 001

File: FOR-14340-01/2016

BC WILDFIRE SERVICE OPEN FIRE PROHIBITION ORDER

Under section 10(1) of the *Wildfire Act*, and pursuant to my designation as an official under that Act, to limit the risk of a fire and for reasons of public safety, I, Les Husband, hereby **PROHIBIT** within the restricted area described below, the lighting, fuelling or use of the following types of open fires:

- Category 2 open fire as defined in the Wildfire Regulation
- Category 3 open fire as defined in the Wildfire Regulation

Furthermore, I order all persons lighting, fuelling or using any of the open fires listed above within the restricted area to cease doing so and to **extinguish all such fires**.

This Order takes effect at 12:00 noon Pacific Daylight Time (PDT) on April 20, 2016 and remains in force until further notice under section 10 of the act.

This Order applies to the following Forest Districts established in section 3 and 4 of the <u>Administrative</u> <u>Boundaries Regulation</u>, and the geographic boundaries described below and as illustrated on the attached map. This Order is specific to all public and private land unless specified otherwise in an enactment.

- The Fort Nelson Forest District
- The Peace Forest District
- The Fort St. James Forest District
- The Mackenzie Forest District
- The Prince George Forest District
- The Vanderhoof Forest District

Date Signe

Les Husband

Tel:

Fax:

Fire Centre Manager

Ministry of Forests, Lands and Natural Resource Ops

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